Application No.:

10/546,004

Supplemental Amendment: October 19, 2007

Reply to Office Action of:

June 28, 2007

## **Amendments to the Specification:**

Please replace the paragraph, beginning at page 10, line 19, with the following rewritten paragraph:

MAT-8729US

FIG. 3 is a cross-sectional view showing the structure of display electrodes 6 and light-shield 7 of the PDP used in the second exemplary embodiment of the present invention. The second exemplary embodiment differs from the first exemplary embodiment in that the structure has slit 20 provided between display electrode 6 and light-shield 7 to insulate both sides electrically as shown in FIG. 3, and that the resistivity of light-shield 7 shall be not less than  $\frac{1}{x} + \frac{10^6}{1} \times \frac{10^5}{10^5} \Omega \text{cm}$ , leaving the other configurations the same as the first exemplary embodiment.

Please replace the paragraph, beginning at page 11, line 8, with the following rewritten paragraph:

However, a low resistance of black layer 18b of light-shield 7 would increase the capacitance of a space between display electrodes 6 adjacent to each other via light-shield 7 (shown in space A in FIG. 3), causing a problem of increase in power consumption in PDP operation. The resistivity of black layer 18b, therefore, cannot be reduced needlessly but is necessary to have a certain level of insulation to restrain the increase in capacitance and power consumption. Specific resistivity of black layer 18b differs in the panel structure, the materials used for glass substrate, dielectric or the like, but the resistivity of not less than  $1 \times 10^6 1 \times 10^5 \Omega$  cm will be able to restrain the increase in power consumption.